



Fifth Graders Enjoy STEM Day – 4/29/12

A Special “Thank You” to Mr. MacDonald Andrews!



The fifth graders had a wonderful time participating in STEM Day on Friday, April 27th, that celebrated Science, Technology Engineering, and Math! The day served as an excellent learning experience, prior to the May Math and Science MCAS testing. Each of the fifth grade classrooms hosted a different hands-on learning experience which focused on the MA Curriculum Frameworks in the areas of Science, Technology, Engineering, and/or Mathematics.

In **Mrs. Shannon Bronzo’s** room, **Mr. MacDonald Andrews, Douglas resident and Raytheon Senior Principal Electrical Engineer**, conducted Science presentations throughout the day, focusing on Electricity and Magnetism. Students got to participate in interactive demonstrations highlighting the buildup and movement of electrons using a Van de Graaff generator. Furthermore, they were able to utilize and apply their knowledge of static and current electricity to explain the phenomena of the generator. Mr. Andrews also discussed Engineering careers and tips for success in school. The students were also provided booklets on Electricity and Magnetism as well.

In **Ms. Lauren O’Hearne’s** room, students examined the structure and function of plants up close. After diagramming an actual flowering plant, students labeled each plant part necessary for plant protection, growth, food production and reproduction. Students then identified and matched the functions for each plant structure.



Mrs. Donna Taylor’s students participated in a lab identifying rocks. Students were presented with six different rock samples, and were required to note specific characteristics. This activity marked the first lesson for the unit on the rock cycle. After completing the lab, students will discuss how their samples represent either Igneous, Sedimentary, or Metamorphic rock.



Left: Natalie Champagne and Right: Josiah Mitchell assist Mr. MacDonald Andrews as he teaches a lesson on magnetism and electricity, utilizing the Van De Graaff generator, in **Mrs. Shannon Bronzo’s** classroom!

Left: Mrs. Bronzo gets a little “zap” from the Van De Graaff generator, while **Mr. Andrews** supervises! **Right: Jacob Yanis, Braelynn Sessa, Connor Zisk, Kelsey Gilbert, and Tyler Tedford** collaborate on STEM Day activities!

Below Left: Matthew Rhody and Cassidy Turner assist. **Below Below Right: Mrs. Jessica Findlay** teaches a lesson on “Measurement Madness” utilizing “hands-on” objects!



We thank **Mrs. Jessica Findlay**, Grade 5 Math teacher; and **Mrs. Shannon Bronzo**, Gr. 5 Science teacher, for planning this special day and collaborating with the other Fifth Grade Team members – **Ms. Lauren O’Hearne**, **Mrs. Donna Taylor** (substituting for **Mrs. Robyn Martinsen**), **Mrs. Faye Manyak**, and **Ms. Nicole Gardner** to make it a reality!



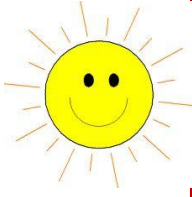
More Scenes from Fifth Grade STEM Day – 4/29/12



Left: (L to R) Sayge Bilodeau, Chloe Lewis, Jacob Campbell, and Nathaniel Paine work on their math activity.

Below Left: Timothy Lanord measures to determine the area of a face on his “Baby Ruth Box.”

Below Right: Samuel Masoud and Kaleb McKeon calculate the area of their “Crunch Box.”



Left: Samantha Bilodeau plays "Stock the Shelves," a coordinate graphing game from Mr. Nussbaum, a popular interactive math gaming site.



More Scenes from Fifth Grade STEM Day

Right: Devin Haire and Jack Josey calculate the perimeter of a face on their "Kit Kat Box."

Below: Theron Howe, Daniel Benjamin, Zachary Gouin, Madison Webber, and Tiyana-Marie Bassim studying rocks and minerals.

